

1   **ABSTRACT OF THE DISCLOSURE**

2           A method for making controlled-release ammonium phosphate  
3   fertilizer has the following acts of: cracking, pulverizing, blending, aging,  
4   drying, and adding release-controlling materials into an ammonium  
5   phosphate slurry during preparing processes or adding release-controlling  
6   materials in achieved ammonium phosphate powder. Selectively, sulfuric  
7   acid is added into the mixture of the release-controlling materials and the  
8   ammonium phosphate slurry or ammonium phosphate powder to acidify the  
9   mixture. In this method, the release-controlling material combines with the  
10   ammonium phosphate by chemical bonding to controll the release of  
11   nitrogen and phosphorus nutrients to enhance the use efficiency and elongate  
12   fertilization effect of the controlled-release ammonium phosphate fertilizer.  
13   Additionally, manufacturing equipment of the present invention are basically  
14   the same with the equipment manufacturing the conventional ammonium  
15   phosphate fertilizer and the raw materials such as release-controlling  
16   materials are easily obtained for free, no extra manufacturing and product  
17   cost increase in the present invention.